

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

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PATENT NO. : 7,539,259  
APPLICATION NO.: 10/566,932  
ISSUE DATE : May 26, 2009  
INVENTOR(S) : DIAS, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**IN THE SPECIFICATION**

1. In Column 3, Line 29, delete “(”)” and insert - - (‘~’) - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 4 (PAGE 95 OF FW), LINE 26)
2. In Column 3, Line 38, delete “Initial” and insert - - initial - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 5 (PAGE 96 OF FW), LINE 3)
3. In Column 4, Line 28, delete “Impulse” and insert - - impulse - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 6 (PAGE 97 OF FW), LINE 15)
4. In Column 4, Line 33, delete “In” and insert - - in - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 6 (PAGE 97 OF FW), LINE 20)
5. In Column 6, Line 24, delete “In” and insert - - in - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 9 (PAGE 100 OF FW), LINE 14)

MAILING ADDRESS OF SENDER (Please do not use customer number below):

MOTOROLA, INC, Patent Operations, 1303 E. Algonquin Road, IL01 - 3rd Floor, Schaumburg, Illinois 60196

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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6. In Column 6, Line 26, delete "[W]<sub>k,l-1</sub>" and insert - - [W]<sub>k,l-1</sub> - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 9 (PAGE 100 OF FW), LINE 16 )
7. In Column 6, Line 28, delete "Invertible" and insert - - invertible - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 9 (PAGE 100 OF FW), LINE 17)
8. In Column 7, Line 41, delete "function." and insert - - function, - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 11 (PAGE 102 OF FW), LINE 13)
9. In Column 7, Line 63, delete "<k>ID" and insert - - <kID - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 11 (PAGE 102 OF FW), LINE 27)

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10. In Column 8, Line 51, delete " $R_{\bar{h}_{lm}^o(n)}$ " and insert - -  $R_{LD} h_{lm}(n)$  - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 12 (PAGE 103 OF FW), LINE 18)
11. In Column 9, Line 3, delete "transit" and insert - - transmit - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 13 (PAGE 104 OF FW), LINE 11)
12. In Column 9, Line 8, delete " $I \leq l \leq N_t$ " and insert - -  $l \leq l \leq N_t$  - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 13 (PAGE 104 OF FW), LINE 14)
13. In Column 9, Line 52, delete " $\tilde{y}(2i+1) - \bar{F}_P(P_P^N r^{ZP}(2i+1))^n$ " and  
insert - -  $\tilde{y}(2i+1) = F_P(P_P^N r^{ZP}(2i+1))^*$  - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 14 (PAGE 105 OF FW), LINE 8)

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14. In Column 10, Line 34, after "postfix" insert - - vector - - .  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 15 (PAGE 106 OF FW), LINE 8)
15. In Column 10, Line 38, delete "pseudo-circulated" and insert - - pseudo-circulant - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 15 (PAGE 106 OF FW), LINE 11)
16. In Column 10, Line 38-39, delete " $H_l^{\beta(i)}$ ," and insert - -  $H_l^{\beta(i)}$  - -, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED FEBRUARY 2, 2006,  
PAGE 15 (PAGE 106 OF FW), LINE 11)

**IN THE CLAIMS**

17. In Column 12, Line 20, in Claim 6, delete "to the transmit" and  
insert - - to the number  $N_t$  of said transmit - -, therefor.  
(NOTICE OF ALLOWANCE AND FEES DUE (PTOL-85) DATED APRIL 2, 2009,  
PAGE 2, UNDER "EXAMINER'S AMENDMENT", LINE 11)
18. In Column 14, Line 1, in Claim 13, delete "oth" and insert - - 0th - -, therefor.  
(AMENDMENTS TO THE CLAIMS DATED FEBRUARY 26, 2009, PAGE 5, CLAIM 21,  
LINE 7)

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